Substitute for form 1449/PTO	Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT *(Use as many sheets as necessary)*	Application Number	10/518,444-Conf. #7790
	Filing Date	December 20, 2004
	First Named Inventor	Wataru MATSUMOTO
	Art Unit	2133
	Examiner Name	S. W. Rizk
Sheet	1	of	2	Attorney Docket Number	2611-0228PUS1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5](if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered Include copy of this form with next communication to applicant. [1] Applicant's unique citation designation number (optional) [2] See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901 04 [3] Enter Office that issued the document by the two-letter code (WIPO Standard ST 3) [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16 if possible [6] Applicant is to place a check mark here if English language Translation is attached

Examiner Signature		Date Considered	

Birch, Stewart, Kolasch & Birch, LLP   DRA/AMI/bms

Substitute for form 1449/PTO	Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT *(Use as many sheets as necessary)*	Application Number	10/518,444-Conf. #7790
	Filing Date	December 20, 2004
	First Named Inventor	Wataru MATSUMOTO
	Art Unit	2133
	Examiner Name	S. W. Rizk
Sheet 2 of 2	Attorney Docket Number	2611-0228PUS1

NON PATENT LITERATURE DOCUMENTS

Examiner Initials[*]	Cite No[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book. magazine. journal. serial. symposium. catalog. etc.). date, page(s). volume-issue number(s). publisher. city and/or country where published.	T[2]
	CA	MATSUMOTO W ET AL: "Deterministic irregular low-density parity-check codes design scheme" PROC , KISO KYOKAI SOCIETY MEETING. vol A-6-12, 10 Septermber 2002 (2002-09-10), page 126, XP002903378	
	CB	ROSENTHAL J ET AL: "Constructions of regular and irregular LDPC codes using Remanujan graphs and ideas from margulis" PROC., IEEE INTERNATIONAL SYMPOSIUM ON INFORMATION THEORY, ISIT 2001, WASHINGTON, WA, US, 24 June 2001 (2001-06-29) page 4, XP010552621 ISBN 0-7803-7123-2	
	CC	VONTOBEL P.O. ET AL: "Irregular codes from regular graphs" PROC , IEEE INTERNATIONAL SYMPOSIUM ON INFORMATION THEORY, ISIT 02, LAUSANNA, SWITZERLAND, 30 June 2002 (2002-06-30), - 5 July 2002 (2002-07-05) page 284, XP010601995 ISBN 0-7803-7501-7	
	CD	CHIANI M ET AL: "Design and performance evaluation of some high-rate irregular low-density parity-check codes" PROC , IEEE GLOBAL TELECOMMUNICATIONS CONFERENCE, GLOBECOM 2001, SAN ANTONIO, TX, vol VOL 2 of 6, 25 November 2001 (2001-11-29) pages 990-994, XP001099253 ISBN 0-7803-7206-9	
	CE	LUBY M.G ET AL: "Analysis of low density codes and improved designs using irregular graphs" PROC., 30TH ANNUAL ACM SYMPOSIUM ON THEORY OF COMPUTING DALLAS, TX, 23 May 1998 (1998-05-23), pages 249-258, XP000970907 ISBN 0-89791-962-9	
	CF	LUBY M G. ET AL: "Improved Low-Density Parity-Check Codes Using Irregular Graphs" IEEE TRANSACTIONS ON INFORMATION THEORY, vol. 47, No 2, February 2001 (2001-02), XP011027875 ISSN 0018-9448	
	CG	YU KUO ET AL: "Low-Density Parity-Check Codes Based on Finite Geometrics: A Rediscovery and New Results" IEEE TRANSACTIONS ON INFORMATION THEORY, IEEE SERVICE CENTER, PISCATAWAY, NJ, US, vol 47, No. 7, November 2001)2001-11), XP011028087 ISSN 0018-9448	
	CH	ROSENTHAL J AND VONTOBEL P.O : "Constructions of LDPC codes using Ramanujan graphs and ideas from Margulis" PROC , 38TH ALLERTON CONFERENCE ON COMMUNICATION, CONTROL AND COMPUTING, ALLERTON HOUSE, MONTICELLO, ILLINOIS, 4 October 2000 (200-10-04), - 6 October 2000 (2000-10-06) pages 1-10, XP002416895 Retrieved from the Internet: URL: http://www.hpl.hp.com/personal/Pascal_Vontobel/publications/papers/pcto-00-3.pdf	
	CI	MATSUMOTO W ET AL: "Irregular extended Euclidean geometry low-density parity-check codes" PROC., INTERNATIONAL SYMPOSIUM ON COMMUNICATION SYSTEMS NETWORKS AND DIGITAL SIGNAL PROCESSING, CSNDSP 2002, STAFFORD, UK, 15 July 2002 (2002-07-15), pages 148-151, XP002370884	
	CJ	CHUNG, S Y. ET AL: "Analysis pf Sum-Product Decoding of Low-Density Parity-Check Codes Using a Gaussian Approximation" IEEE TRANSACTIONS ON INFORMATION THEORY, vol 47, no. 2, February 2001 (2001-02), pages 657-670, XP011027864 ISSN 0018-9448	

[*]EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609 Draw line through citation if not in conformance and not considered Include copy of this form with next communication to applicant.

[1]Applicant's unique citation designation number (optional) [2]Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	